

Applicants : Daniel J. Vavrick
Serial No. : 10/658,128
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Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A reactive material comprising:
a metal foam and having a void volume;
a polymer imbibed into the void volume; and
a material disposed within the polymer, the material selected from the group consisting of finely divided metal particles, finely divided metal oxide particles, and mixtures thereof, wherein at least a portion of the finely divided metal particles and the finely divided metal oxide particles produce a thermite mixture.
2. (Original) The reactive material of claim 1, wherein the metal foam comprises a metal selected from the group consisting of, or an alloy comprising one or more of, molybdenum, osmium, titanium, boron, manganese, magnesium, aluminum, and nickel.
3. (Original) The reactive material of claim 1, wherein the metal foam comprises aluminum.
4. (Original) The reactive material of claim 1, wherein the metal foam consists essentially of aluminum.
5. (Original) The reactive material of claim 1, wherein the polymer is at least partially halogenated.
6. (Original) The reactive material of claim 1, wherein the polymer is formed from one or more monomers selected from the group consisting of fluoroalkyl esters of acrylic acid, tetrafluoroethylene, chlorotrifluoroethylene, dichlorodifluoroethylene, hexafluoropropylene, and vinylidene dichloride, vinylidene difluoride.

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7. (Original) The reactive material of claim 1, wherein the polymer comprises polytetrafluoroethylene.
8. (Cancelled)
9. (Currently Amended) The reactive material of claim ~~8~~ 1, wherein the finely divided metal particles comprise aluminum.
10. (Cancelled)
11. (Currently Amended) The reactive material of claim ~~10~~ 1, wherein the thermite mixture comprises aluminum particles and iron oxide particles.
12. (Original) Ordnance comprising the reactive material of claim 1.
- 13-28. (Cancelled)